

Resource Summary Report

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HMS NERCE Confocal Microscope Resource

RRID:SCR_009805

Type: Tool

Proper Citation

HMS NERCE Confocal Microscope Resource (RRID:SCR_009805)

Resource Information

URL: <http://harvard.eagle-i.net/i/00000130-08de-721d-de5a-673e80000000>

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Description: Core facility that provides the following services: Confocal microscopy.

Confocal microscopy offers multiple benefits compared to conventional microscopy, particularly the ability to collect serial, high-resolution optical sections from thick specimens. Multicolor, three-dimensional images can be obtained, providing high-content information from single images. To assist NERCE investigators from throughout the region, NERCE has established a Confocal Microscope Facility at the University of Massachusetts Medical School. Funding through the NERCE has procured a state-of-the-art LEICA SP2 AOBS laser scanning confocal microscope, which combines spectrophotometric detection with confocal microscopy. The instrument is located at the BL2+ facility at the Lazare Research Building, at the University of Massachusetts Medical School, Worcester, MA. The use of live cell imaging combined with green fluorescent protein (GFP) technology is an exciting methodology with which to study the interactions between infectious agents and living cells. A variety of applications are amenable to confocal microscopy techniques and include: monitoring the localization of proteins in living or fixed cells, monitoring changes in the cellular distribution of proteins, and monitoring changes in the activation status and morphological changes in cells exposed to infectious agents.

Resource Type: core facility, service resource, access service resource

Keywords: confocal microscopy, fast live imaging

Resource Name: HMS NERCE Confocal Microscope Resource

Resource ID: SCR_009805

Alternate IDs: nlx_156272

Alternate URLs: <http://nerce.med.harvard.edu/confocal.html>

Record Creation Time: 20220129T080255+0000

Record Last Update: 20260801T191137+0000

Ratings and Alerts

No rating or validation information has been found for HMS NERCE Confocal Microscope Resource.

No alerts have been found for HMS NERCE Confocal Microscope Resource.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.